

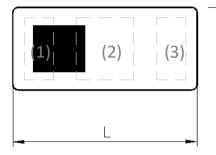
Multilayer Band Pass Filter For 5GHz W-LAN

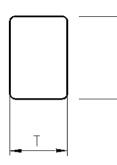
DEA Series 1.6x0.8mm [EIA 0603] TYPE

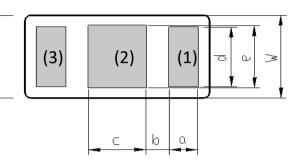


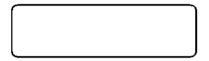
DEA165538BT-2263A1-H

SHAPES AND DIMENSIONS









Dimensions (mm)

	1010110						
L	W	Т	а	b	С	d	e
1.60	0.80	0.65	0.25	0.23	0.40	0.55	0.60
+/-0.15	+/-0.10	Max	+/-0.10	+/-0.10	+/-0.10	+/-0.15	+/-0.15

Terminal functions

(1)	Input Port						
(2)	GND						
(3)	Output Port						

TERMINATION FINISH

Material	
Ag	

Γ

Jun. 2018 Ver. 1.6 **TDK** Corporation

DEA165538BT-2263A1-H

ELECTRICAL CHARACTERISTICS

(Measurement)

Specification

Daramotor	Eroduo	2011					
Parameter	Frequei	су		Min.	Тур.	Max.	
Insertion Loss (dB)	5150	to	5925	-	0.63	0.85	
Insertion Loss (dB)	5150	to	5925	-	-	1.00	
(−40 to +90 °C)							
Return Loss (dB)	5150	to	5925	12	17	-	
Attenuation (dB)	100	to	960	33	38	-	
	1166	to	1249	33	36	-	
	1427	to	1610	33	36	-	
	1695	to	2200	33	37	-	
	2300	to	2370	33	42	-	
	2400	to	2484	33	43	-	
	2496	to	2690	33	46	-	
	3400	to	3800	33	41	-	
	7250	to	7800	30	33	-	
	10300	to	11850	25	28	-	
	15450	to	17775	25	30	-	
Characteristic Impedance (ohm)				50	(Nomi	nal)	

Ta = +25+/-5°C

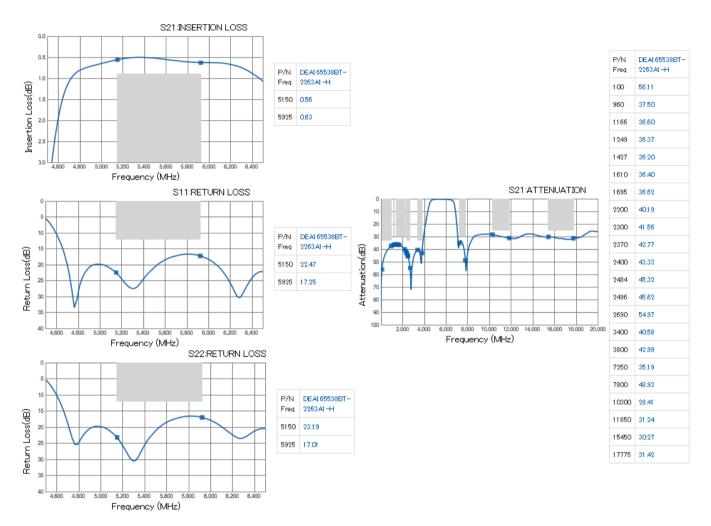
MAXIMUM RATINGS

Parameter		TDK Spec		Conditions
Farameter		Min.	Max.	Conditions
Operating temperature (°C)		-40 to	+90 °C	
Storage temperature (°C)		-40 to	+90 °C	
Power Handling (dBm)		-	31	CW
Human Body Model : HBM	@Each Port (V)	-1000	1000	100pF / 1500ohm
Machine Model : MM	@Each Port (V)	-150	150	200pF / 0ohm
Charged Device Model : CDM	@Each Port (V)	-500	500	Relative humidity : 51%RH max
				A much is not to some exact size $x = 0.5 \times 1.5$

Ambient temperature : +25+/-5°C

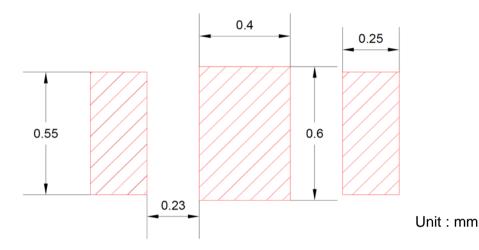
DEA165538BT-2263A1-H

FREQUENCY CHARACTERISTICS

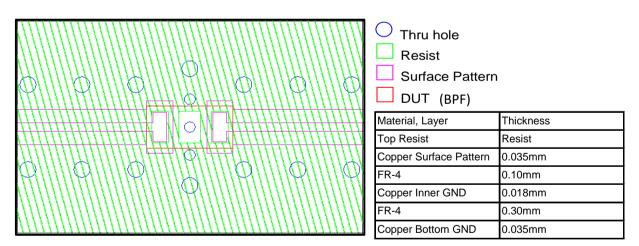


DEA165538BT-2263A1-H

RECOMMENDED LAND PATTERN



EVALUATION BOARD



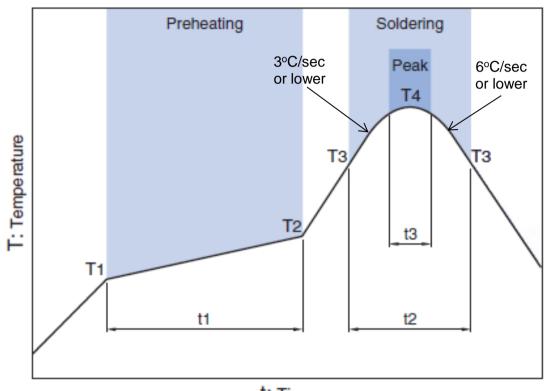
* Line width should be designed to match 50 ohm characteristic impedance depending on PCB material and thickness.

ENVIROMENT INFORMATION

RoHS Statement RoHS Compliance

DEA165538BT-2263A1-H

RECOMMENDED REFLOW PROFILE



U.	Ime

Preheating			Soldering					
	Frene	ating	Critical zon	e (T3 to T4)	Peak			
Temp.		Time	Temp.	Time	Temp.	Time		
T1 T2		t1	Т3	t2	T4	t3 *		
150°C	200°C	60 to 120sec	217°C	60 to 120sec	240 to 260°C	30 sec Max		

* t3 : Time within 5°C of actual peak temperature

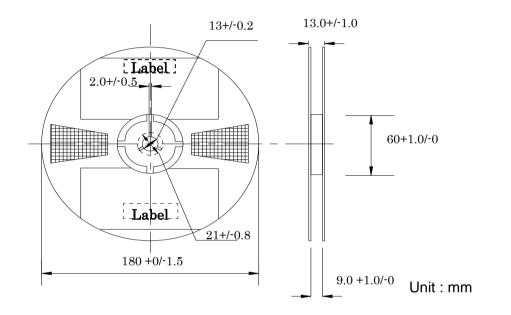
The maximum number of reflow is 3.

Note: Lead free solder is recommended. Recommended solder is Sn-3.0Ag-0.5Cu. (M705 by Senju Metal Industry)

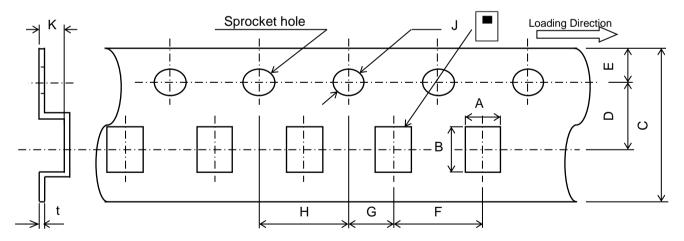
DEA165538BT-2263A1-H

PACKAGING STYLE

Reel Dimensions



Carrier Tape



_	Dimer	nsions	(mm)								
	Α	В	С	D	E	F	G	Η	J	Κ	t
	0.97	1.8	8.0	3.5	1.75	4.0	2.0	4.0	1.5	0.8	0.25
	+/-0.05	+/-0.05	+/-0.2	+/-0.05	+/-0.1	+/-0.1	+/-0.05	+/-0.1	+0.1/-0	MAX	+/-0.05

STANDARD PACKAGE QUANTITY
(pieces/reel)
4,000

All specifications are subject to change without notice.TDK Technology - Proprietary and Confidential Information of TDK Group Companies

公TDK

REMINDERS FOR USING THESE PRODUCTS

Before using these products, be sure to request the delivery specifications.

SAFETY REMINDERS

Please pay sufficient attention to the warnings for safe designing when using these products.

The products listed on this specification sheet are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition.

The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property. Please understand that we are not responsible for any damage or liability caused by use of the products in any of the applications below or for any other use exceeding the range or conditions set forth in this specification sheet.

- 1. Aerospace/Aviation equipment
- 2. Transportation equipment (cars, electric trains, ships, etc.)
- 3. Medical equipment
- 4. Power-generation control equipment
- 5. Atomic energy-related equipment
- 6. Seabed equipment
- 7. Transportation control equipment
- 8. Public information-processing equipment
- 9. Military equipment
- 10. Electric heating apparatus, burning equipment
- 11. Disaster prevention/crime prevention equipment
- 12. Safety equipment
- 13. Other applications that are not considered general-purpose applications

When using this product in general-purpose applications, you are kindly requested to take into consideration securing protection circuit/equipment or providing backup circuits, etc., to ensure higher safety.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Signal Conditioning category:

Click to view products by TDK manufacturer:

Other Similar products are found below :

MAPDCC0001 MAPDCC0004 PD0409J5050S2HF 880157 HHS-109-PIN DC1417J5005AHF AFS14A30-2185.00-T3 AFS14A35-1591.50-T3 DS-323-PIN B39321R801H210 1A0220-3 JP510S LFB212G45SG8C341 LFB322G45SN1A504 LFL182G45TC3B746 SF2159E 30057 FM-104-PIN CER0813B MAPDCC0005 3A325 40287 41180 ATB3225-75032NCT BD0810N50100AHF BD2425J50200AHF C5060J5003AHF JHS-115-PIN JP503AS DC0710J5005AHF DC2327J5005AHF DC3338J5005AHF 43020 LFB2H2G60BB1C106 LFL15869MTC1B787 X3C19F1-20S XC3500P-20S 10013-20 SF2194E CDBLB455KCAX39-B0 TGL2208-SM, EVAL RF1353C PD0922J5050D2HF 1E1305-3 1G1304-30 B0922J7575AHF 2020-6622-20 TP-102-PIN TP-103-PIN BD1222J50200AHF