



# Industrial standard products

Pocket guide

[www.infineon.com/industrial-standard](http://www.infineon.com/industrial-standard)



## Linear voltage regulator

Product	Output current [mA]	Temperature range [°C]	Output voltage [V]	Quiescent current [µA]
IFX1963TBV	1,500	-40 ... 125	Adj.	80,000
IFX1963TEV	1,500	-40 ... 125	Adj.	80,000
IFX27001TF V	1,000	-40 ... 125	Adj.	100
IFX27001TF V33	1,000	-40 ... 125	3.3	800
IFX27001TF V50	1,000	-40 ... 125	5.0	100
IFX7805ABTC	1,000	-40 ... 125	5.0	2,000
IFX7805ABTF	1,000	-40 ... 125	5.0	2,000
IFX7805ABTS	1,000	-40 ... 125	5.0	2,000
IFX8117ME V	1,000	0 ... 125	Adj.	5,000
IFX8117ME V50	1,000	0 ... 125	5.0	5,000
IFX1117ME V	800	0 ... 125	Adj.	5,000
IFX1117ME V33	800	0 ... 125	3.3	5,000
IFX1763XEJ V	500	-40 ... 125	Adj.	30
IFX1763XEJ V33	500	-40 ... 125	3.3	30
IFX1763XEJ V50	500	-40 ... 125	5.0	30
IFX1763LD V	500	-40 ... 125	Adj.	30
IFX1763LD V33	500	-40 ... 125	3.3	30
IFX1763LD V50	500	-40 ... 125	5.0	30
IFX78M05ABTF	500	-40 ... 125	5.0	2,000
IFX25001ME V25	400	-40 ... 125	2.5	100
IFX25001ME V33	400	-40 ... 125	3.3	100
IFX25001TC V50	400	-40 ... 125	5.0	100
IFX25001TF V33	400	-40 ... 125	3.3	100
IFX25001TF V50	400	-40 ... 125	5.0	100
IFX25001TS V50	400	-40 ... 125	5.0	100
IFX25401TB V	400	-40 ... 125	Adj.	100
IFX25401TB V50	400	-40 ... 125	5.0	100
IFX25401TE V	400	-40 ... 125	Adj.	100
IFX25401TE V50	400	-40 ... 125	5.0	100
IFX24401EL V50	300	-40 ... 125	5.0	20
IFX24401TE V50	300	-40 ... 125	5.0	20
IFX54441EJV	300	-40 ... 125	Adj.	30
IFX54441EJ V33	300	-40 ... 125	3.3	30
IFX54441EJ V50	300	-40 ... 125	5.0	30
IFX54441LD V	300	-40 ... 125	Adj.	30
IFX54441LD V33	300	-40 ... 125	3.3	30
IFX54441LD V50	300	-40 ... 125	5.0	30
IFX54211MB V33	150	-40 ... 125	3.3	50
IFX2931G V33	100	-40 ... 125	3.3	400
IFX2931G V50	100	-40 ... 125	5.0	400
IFX4949SJ	100	-40 ... 125	5.0	180
IFX21004TN V51	100/30	-40 ... 150	5.0/15.0	700
IFX30081SJV	50	-40 ... 125	Adj.	5
IFX30081LD V33	50	-40 ... 125	3.3	5
IFX20001MB V33	30	-40 ... 125	3.3	110
IFX20001MB V50	30	-40 ... 125	5.0	110
IFX20002MB V33	30	-40 ... 125	3.3	130
IFX20002MB V50	30	-40 ... 125	5.0	130



RoHS All products are RoHS compliant.

## DC/DC converter

Product	Regulator type	Temperature range [°C]	Output voltage [V]
IFX80471SK V/V50 <sup>1)</sup>	Buck controller	-40 ... 125	Adj./5.0
IFX81481ELV <sup>1)</sup>	Synchronous Buck controller	-40 ... 125	Adj.
IFX90121ELV50	Buck regulator	-40 ... 125	5.0
IFX91041EJ V/V33/V50	Buck regulator	-40 ... 125	Adj./3.3/5.0
IR3883	Synchronous buck regulator	-40 ... 125	Adj. 0.5 ...
IR3823	Synchronous buck regulator	-40 ... 125	Adj. 0.5 V <sub>in</sub>
IR3897	Synchronous buck regulator	-40 ... 125	Adj. 0.5 V <sub>in</sub>

1) with external MOSFET

## Voltage tracker

Product	Temperature range [°C]	Output voltage [V]	Output current [mA]
IFX21401MB	-40 ... 125	Adj.	50

## Transceiver

Product	Temperature range [°C]	Transceiver type	Transmission rate
IFX1040SJ	-40 ... 125	High-speed CAN with bus wake-up ISO 11898-2 and ISO11898-5	1 Mbit/s
IFX1050G	-40 ... 125	High-speed CAN ISO 11898-2	1 Mbit/s
IFX1050GVIO	-40 ... 125	High-speed CAN ISO 11898	1 Mbit/s
IFX1051LE	-40 ... 125	High-speed CAN FD ISO 11898	2 Mbit/s
IFX1051SJ	-40 ... 125	High-speed CAN FD ISO 11898	2 Mbit/s

## Constant current relay driver

Product	Temperature range [°C]	Hold current (typ.) [mA]
IFX52001EJ	-40 ... 125	50
TLE4247EL30	-40 ... 150	30



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## 1-channel switches (Industrial PROFET™)

Product	$R_{DS(on)}$ @ $T_j = 25\text{ °C}$ [mΩ]	Load current (typ.) [A]	$I_{L(SC)}$ (typ.) [A]
ITS4060S-SJ-N	50	3.1	17.0
ITS428L2	60	7.0	22.0
ITS4100S-SJ-N	70	2.4	10.0
ITS4200S-ME-O	150	1.1	1.4
ITS4200S-ME-P	150	2.2	3.0
ITS4200S-SJ-D	150	1.7	6.5
ITS4200S-ME-N	160	1.2	1.5
ITS4141D	200	1.1	2.1
ISP752T	200	1.7	6.5
ITS4300S-SJ-D	250	0.8	1.2
ISP742RI	350	0.8	1.2
ITS41k0S-ME-N	1,000	0.55	0.9

## 2-channel switches (Industrial PROFET™)

Product	$R_{DS(on)}$ @ $T_j = 25\text{ °C}$ [mΩ]	Load current (typ.) [A]	Operating v (low)
ITS5215L	90	2.0	5.5
ITS42k5D-LD	2,500	0.25	4.5

## 4-channel switches (Industrial PROFET™)

Product	$R_{DS(on)}$ @ $T_j = 25\text{ °C}$ [mΩ]	Load current (typ.) [A]	Operating v (low)
ITS724G	90	2	5.5
ITS716G	140	1	5.5
ITS711L1	200	1	5.0

## 8-channel switches (Industrial PROFET™)

Product	$R_{DS(on)}$ @ $T_j = 25\text{ °C}$ [mΩ]	Load current (typ.) [A]	Recommen voltage rang
ITS42008-SB-D	200	0.6	11.0 ... 45.0



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## Product selection by application requirement

Product type/application type	Lowest current consumption	High input voltage (> 30 V)
Hi-speed CAN transceiver/IFX1050G/IFX1050GVIO/IFX1040SJ/IFX1051		
Voltage regulator/IFX20001/IFX20002		•
Dual voltage regulator/IFX21004		•
Voltage tracker/IFX21401		•
Voltage regulator/IFX24401	•	•
Voltage regulator/IFX25001		•
Voltage regulator/IFX25401		•
Voltage regulator/IFX27001		•
Voltage regulator/IFX2931		
Voltage regulator/IFX4949		
Voltage regulator/IFX1117/IFX8117		
Voltage regulator/IFX1763/IFX54441/IFX54211	•	
Voltage regulator/IFX1963		•
Voltage regulator/IFX7805/78M05		
Voltage regulator/IFX30081	•	•
DC/DC converter/IFX80471/IFX91041	•	•
DC/DC converter/IFX81481	•	•
DC/DC regulator/IFX90121	•	•
DC/DC regulator IR38xy Family	•	
Constant current relay driver/IFX52001/TLE4247EL30	•	

## Application areas by product

Product type/application type	Smart metering	Industrial automation	Medical healthcare
Hi-speed CAN transceiver/IFX1050G/IFX1050GVIO/IFX1040SJ/IFX1051		•	•
Fault-tolerant CAN transceiver		•	•
Voltage regulator/IFX20001/IFX20002		•	•
Dual voltage regulator/IFX21004		•	
Voltage tracker/IFX21401	•	•	•
Voltage regulator/IFX24401	•	•	•
Voltage regulator/IFX25001		•	•
Voltage regulator/IFX25401		•	•
Voltage regulator/IFX27001		•	•
Voltage regulator/IFX2931		•	•
Voltage regulator/IFX4949		•	
Voltage regulator/IFX1117/IFX8117		•	•
Voltage regulator/IFX1763/IFX54441/IFX54211	•	•	•
Voltage regulator/IFX1963		•	•
Voltage regulator/IFX7805/78M05		•	•
Voltage regulator/IFX30081	•	•	•
DC/DC converter/IFX80471/IFX91041	•	•	•
DC/DC converter /IFX81481		•	•
DC/DC regulator /IFX90121		•	•
DC/DC regulator IR38xy Family		•	•
Constant current relay driver/IFX52001/TLE4247EL30	•	•	•



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