

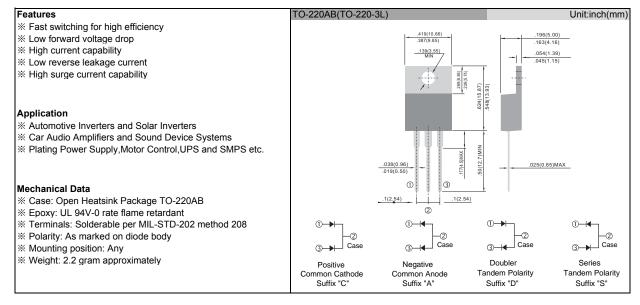
## Pb Free Plating Product

## F10C20C/F10C40C/F10C60C





## 10.0 Ampere Heatsink Dual Common Cathode Fast Recovery Rectifiers



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

For capacitive load, derate current by 20%.

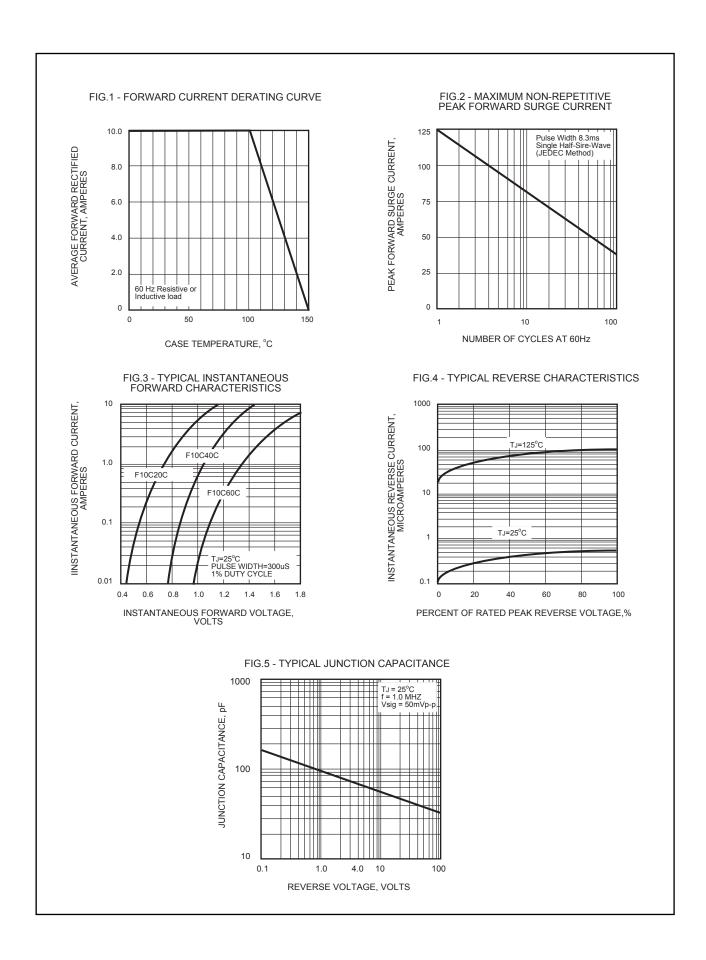
PARAMETER	SYMBOL	F10C20C F10C20A F10C20D F10C20S	F10C40C F10C40A F10C40D F10C40S	F10C60C F10C60A F10C60D F10C60S	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	200	400	600	V
Maximum RMS Voltage	VRMS	140	280	420	V
Maximum DC Blocking Voltage	VDC	200	400	600	V
Maximum Average Forward Rectified Current Tc=100°C (Total Device 2x5.0A=10.0A)	IF(AV)	10.0			A
Peak Forward Surge Current, 8.3ms single Half sine-wave superimposed on rated load (JEDEC method)	IFSM	125			А
Maximum Instantaneous Forward Voltage @5.0A (Per Diode/Per Leg)	VF	0.98	1.3	1.7	٧
Maximum DC Reverse Current @TJ=25°C At Rated DC Blocking Voltage @TJ=125°C	IR	5.0 100			μΑ Αμ
Maximum Reverse Recovery Time (Note1)	Trr	35			nS
Typical Junction Capacitance (Note 2)	CJ	65			pF
Typical Thermal Resistance (Note 3)	RθJC	1.5			°C/W
Operating Junction and Storage Temperature Range	TJ,TSTG	-55 to +150			°C

Note:(1)Reverse recovery test conditions IF = 0.5A, IR = 1.0A, Irr = 0.25A.

Note:(2)Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts DC.

Note:(3)Thermal Resistance junction to case.





Rev.08T Page 2/2