

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating
- · High Surge Forward Current Capability
- High Frequency Operation
- Halogen Free Available Upon Request By Adding Suffix "-HF"

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical thermal resistance: 2.0°C/W Junction to Case

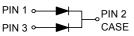
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum	Maximum DC Blocking Voltage
MURS1620CT	MURS1620CT	200V	140V	200V
MURS1640CT	MURS1640CT	400V	280V	400V
MURS1660CT	MURS1660CT	600V	420V	600V

Electrical Characteristics @ 25°C Unless Otherwise Specified

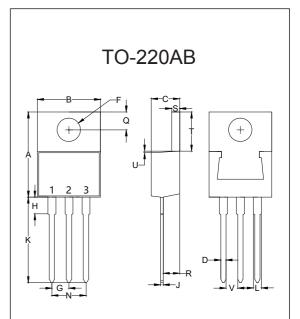
Average Forward Current	I _{F(AV)}	16A	T _C =100°C
Peak Forward Surge Current	I _{FSM}	125A	8.3ms,Half Sine
Maximum Forward Voltage Drop Per Element MURS1620CT MURS1640CT MURS1660CT	V _F	1.0V 1.25V 1.6V	I _F =8A; T _J =25°C I _F =8A; T _J =25°C I _F =8A; T _J =25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	10μΑ 100μΑ	T _J =25°C; T _J =125°C
Maximum Reverse Recovery Time	t _{rr}	35ns	I _F =0.5A; I _R =1.0A; Irr=0.25A

Note :1. High Temperature Solder Exemption Applied, See EU Directive Annex 7a.

Internal Structure



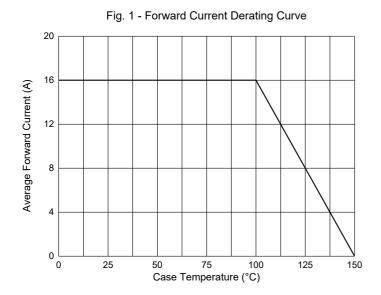
16 Amp Ultra-Fast Recovery Rectifier Diodes 200 to 600 Volts

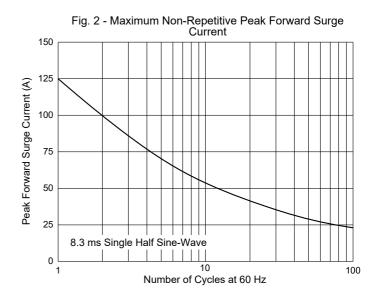


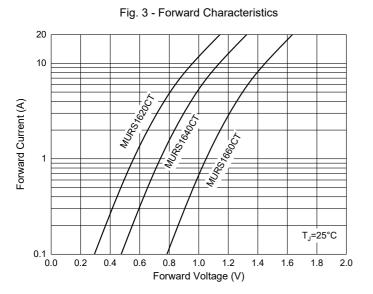
	DIMENSIONS					
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX	NOTE	
Α	0.560	0.625	14.22	15.88		
В	0.380	0.429	9.65	10.90		
С	0.140	0.201	3.56	5.10		
D	0.020	0.045	0.51	1.14		
F	0.131	0.170	3.34	4.31	Ф	
G	0.079	0.121	2.01	3.07		
Н		0.250		6.35		
J	0.011	0.025	0.28	0.64		
K	0.500	0.580	12.70	14.73		
L	0.045	0.060	1.14	1.52		
N	0.158	0.242	4.02	6.14		
Q	0.087	0.135	2.22	3.43		
R	0.080	0.126	2.04	3.19		
S	0.045	0.055	1.14	1.39		
Т	0.230	0.270	5.84	6.86		
U		0.050		1.27		
V	0.045		1.15			

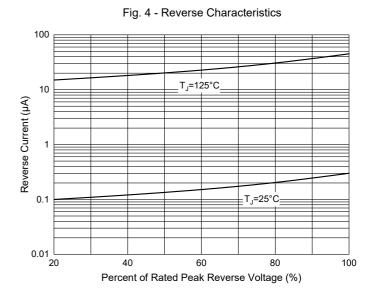


Curve Characteristics









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Ordering Information

Device	Packing	
Part Number-BP	Bulk:50pcs/Tube,1Kpcs/Box,5Kpcs/Carton	

Note: Adding "-HF" Suffix For Halogen Free, eg. Part Number-BP-HF

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