

MUR210 thru MUR280

Ultrafast Recovery Rectifiers Reverse Voltage 50V-1000V Forward Current 2.0 A

Features

- Glass passivated junction chip
- High current capability
- Low forward voltage drop
- High reliability
- High surge current capability

Mechanical Data

- Case: Molded plastic DO-204AC(DO-15)
- Epoxy: UL 94V-O rate flame retardant
- Lead: Axial leads, solderable per MIL-STD-202, Method 208 guaranteed
- Polarity: Color band denotes cathode end
- High temperature soldering guaranteed: 250°C/10 seconds .375" (9.5mm) lead lengths at 5 lbs., (2.3kg) tension
- Mounting position: Any
- Weight: 0.014 ounce, 0.395 gram



Package: DO-204AC (DO-15)



Maximum Ratings and Electrical Characteristics (T_A = 25°C unless otherwise noted)

Parameter	Symbol	MUR 210	MUR 220	MUR 230	MUR 240	MUR 250	MUR 260	MUR 270	MUR 280	Units
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	300	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	210	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	300	400	600	800	1000	V
Maximum Average Forward Rectified Current .375" (9.5mm) lead length @T _A =55°C	I _{F(AV)}	2.0								А
Peak Forward Surge Current (8.3ms single half sine- wave superimposed on rated load, JEDEC method)	I _{FSM}	60.0								A
Maximum Instantaneous Forward Voltage @ 2.0A	V _F	1.0 1.3				1.7			V	
Maximum DC Reverse Current @ $T_A = 25^{\circ}C$ at rated DC Blocking Voltage @ $T_A = 125^{\circ}C$	I _R	5.0 150							μΑ μΑ	
Maximum Reverse Recovery Time (Note 1)	t _{rr}	50 75						ns		
Typical Junction Capacitance (Note 2)	CJ	50 30						pF		
Operating Junction Temperature Range	TJ	-55 to +150								°C
Storage Temperature Range	T _{STG}	-55 to +150							°C	

Notes: 1. Reverse Recovery Test Conditions: $I_F=0.5A$, $I_R=1.0A$, $I_{RR}=0.25A$

2. Measured at 1 MHz and Applied Reverse Voltage of 4.0 V D.C.

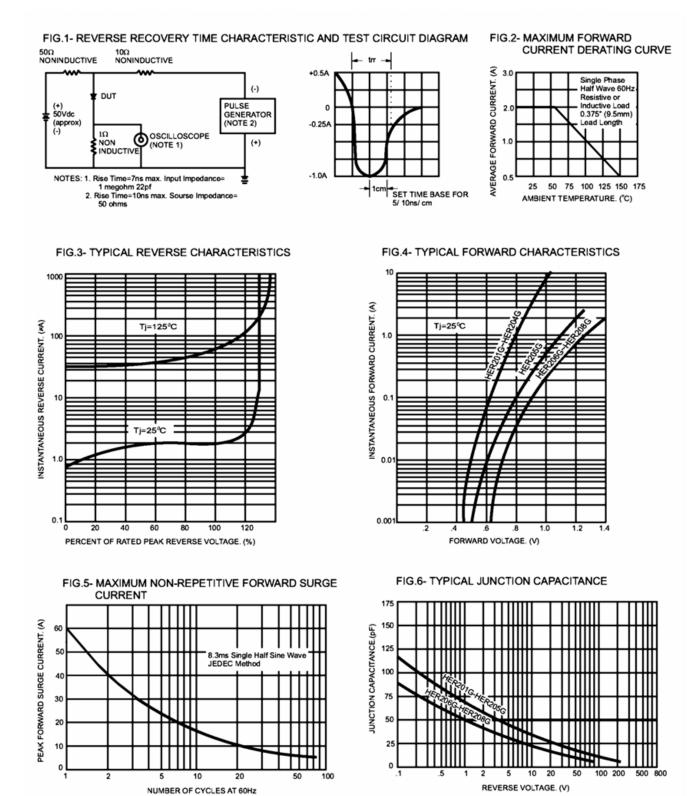


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Ratings and Characteristics Curves (T_A = 25°C unless otherwise noted)



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Package Outline Dimensions

in inches (millimeters)

DO-204AC (DO-15)

