



TECHNICAL SPECIFICATION:

- Low Leakage
- Low forward voltage drop
- High current capability
- High forward surge current capacity
- Glass passivated chip

- Technology: vacuum soldered
- Case: Copper case
- Polarity: As marked of case bottom
- Lead: Plated Ni lead, solderable per MIL-STD-202E method 208C
- Weight: 0.032 ounces, 0.9 grams (DRS)
0.035 ounces, 1.0 grams (DR)



- | | SYMBOLS | DR351
DRS351 | DR352
DRS352 | DR353
DRS353 | DR354
DRS354 | DR356
DRS356 | UNIT |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|
| Maximum Repetitive Peak Reverse Voltage | V_{RRM} | 100 | 200 | 300 | 400 | 600 | Volts |
| Maximum RMS Voltage | V_{RMS} | 70 | 140 | 210 | 280 | 420 | Volts |
| Maximum DC Blocking Voltage | V_{DC} | 100 | 200 | 300 | 400 | 600 | Volts |
| Maximum Average Forward Rectified Current,
At $T_c=105^{\circ}C$ | I_O | 35 | | | | | Amps |
| Peak Forward Surge Current
3.3mS single half sine wave superimposed on
Rated load (JEDEC method) | I_{FSM} | 500 | | | | | Amps |
| Rating for fusing ($t < 8.3ms$) | I^2t | 1038 | | | | | A^2S |
| Maximum instantaneous Forward Voltage at 100A | V_F | 1.08 | | | | | Volts |
| Maximum DC Reverse Current at Rated $T_A=25^{\circ}C$ | I_R | 5.0 | | | | | UA |
| DC Blocking Voltage
$T_A=100^{\circ}C$ | | 450 | | | | | |
| Typical Thermal Resistance | $R_{\theta JC}$ | 0.8 | | | | | $^{\circ}C/W$ |
| Operating and Storage Temperature Range | T_J, T_{STG} | (-65 to +175) | | | | | $^{\circ}C$ |

1. Enough heatsink must be considered in application.



DISH AUTOMOTIVE RECTIFIER

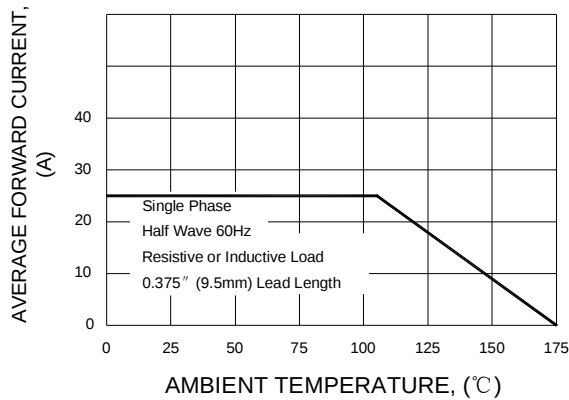
DR351 THRU DR356
DRS351 THRU DRS356

VOLTAGE RANGE 100 to 400 Volts
CURRENT 35.0 Amperes

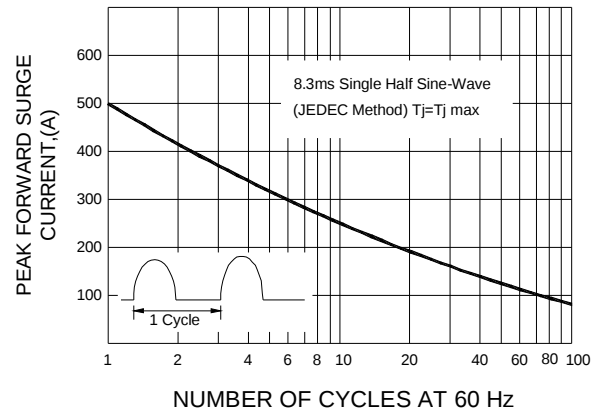
RATINGS AND CHARACTERISTIC CURVES

DR351 THRU DR356
DRS351 THRU DRS356

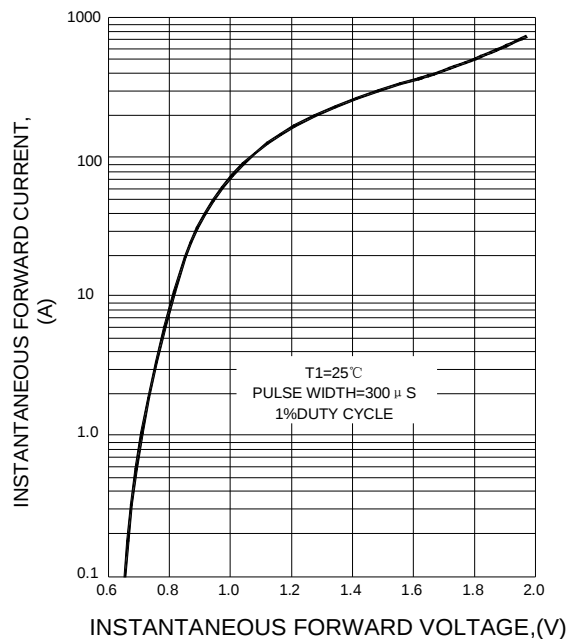
**F1G.1 TYPICAL FORWARD CURRENT
DERATING CURVE**



**F1G.2 MAXIMUM NON-REPETITIVE PEAK
FORWARD SURGE CURRENT**



**F1G.3 TYPICAL INSTANTANEOUS
FORWARD CHARACTERISTICS**



F1G.4 FORWARD POWER DISSIPATION

