

RECTIFIER DEVICE - Rectifier Diodes - Medium Power Stud Types

| Old Part Number | PDF Data Sheet Available | New Part Number | V _{DRM} V _{RRM} | I _{F(AV)} @ | I _{F(RMS)} @ | I _F @ T _{CASE} | I _{FSM(1)} 10ms | I _{FSM(2)} | I ² t ₍₂₎ | I _{RRM} @ T _J | V _o | r | V _{FM} at I _{FM} @ | T _J Max. | R _{th} j-c | | R _{th} c-hs | Wt. (typ.) | Mounting Torque | Outline No. (Note 4) | |
|-----------------|--------------------------|-----------------|-----------------------------------|----------------------|-----------------------|------------------------------------|--------------------------|---------------------|---------------------------------|-----------------------------------|----------------|---------|--------------------------------------|---------------------|---------------------|------------|----------------------|------------|-----------------|----------------------|---------|
| | | | (V) | (A) (°C) | (A) | (A) | (A) | (A) | (A) | (A ² s) | (mA) | (V) (M) | (V) (A) | (°C) | d.c. 180° sine | 120° Rect. | (K/W) | (K/W) | | | (g) |
| SW06-12PCN075 | N | W0174SR060-120 | 600-1200 | 174 (55) | 118 | 118 | 1300 | 1495 | 11175 | 10 | 0.925 | 1.5 | 1.51 | 390 | 175 | 0.44 | 0.58 | 0.1 | 17 | 0.41-0.48 | 100A262 |
| SW06-12PCR075 | N | W0174RR060-120 | 600-1200 | 174 (55) | 118 | 118 | 1300 | 1495 | 11175 | 10 | 0.925 | 1.5 | 1.51 | 390 | 175 | 0.44 | 0.58 | 0.1 | 17 | 0.41-0.48 | |

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Note 1 V_o Threshold Voltage
r Slope resistance) for conduction loss and heatsink calculations AT T_J Max

Note 2 I_{FSM} (8.3ms) = I_{FSM} (10ms) x 1.066 I²t (8.3ms) = I²t (10ms) x 0.943 at initial temperature T_J max

Note 3 A blocking voltage derating factor of 0.13% per degree centigrade is applicable for T_J below 25°C

Note 4 Outline 100A262 - leaded types, code changes from SR/RR (PCN/R) to SP/RP (PHN/R). Lead length 135mm (base of hexagon to centre of lug hole).