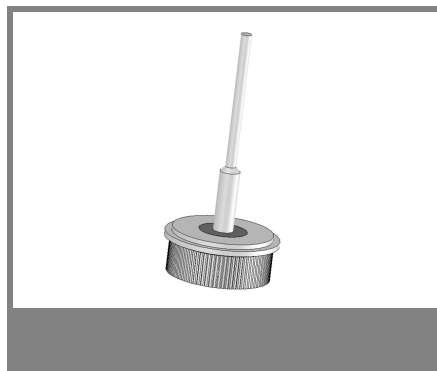


KYW 25A05 ... KYW 25K6



Silicon Press-Fit-Diodes

KYW 25A05...KYW 25 K6

Forward Current: 25 A

Reverse Voltage: 50 to 600 V

Publish Data

Features

- max. solder temperature 260°C, max. 5
- Standard packaging: bulk

Mechanical Data

- Metal press-fit case with glass seal
- Weight approx. 8 g
- Terminals: plated terminals solderable per IEC 68-2-20
- Mounting position : any

Type	Wired to ANODE	Wired to CATHODE	Repetitive peak reverse voltage V_{RRM} V	Surge peak reverse voltage V_{RSM} V	Maximum forward voltage $T_j = 25\text{ °C}$ $I_F = 25\text{ A}$ V_F V
KYW 25	KYW 25A05	KYW 25K05	50	60	1,1
KYW 25	KYW 25A1	KYW 25K1	100	120	1,1
KYW 25	KYW 25A2	KYW 25K2	200	240	1,1
KYW 25	KYW 25A3	KYW 25K3	300	360	1,1
KYW 25	KYW 25A4	KYW 25K4	400	480	1,1
KYW 25	KYW 25A6	KYW 25K6	600	700	1,1

Absolute Maximum Ratings		$T_c = 25\text{ °C}$, unless otherwise specified	
Symbol	Conditions	Values	Units
I_{FAV}	Max. averaged fwd. current, R-load, $T_c = 100\text{ °C}$	25	A
I_{FRM}	Repetitive peak forward current $f > 15\text{ Hz}^{1)}$	80	A
I_{FSM}	Peak fwd. surge current 50 Hz half sinus-wave	270	A
I^2t	Rating for fusing, $t < 10\text{ ms}$	375	A ² s
R_{thA}	Thermal resistance junction to case	1	K/W
T_j	Operating junction temperature	- 50 ... + 175	°C
T_s	Storage temperature	- 50 ... + 175	°C

Characteristics		Values	Units
Symbol	Conditions	Values	Units
I_R	Maximum leakage current, $T_A 25\text{ °C}$; $V_R = V_{RRM}$	100	μA

