

Type DMS

Direct Mount Snubber Capacitor

ASC™ DMS Capacitors are designed for high demand environments commonly found in IGBT products. The DMS is a double metallized, self-healing design that can maintain very high peak and RMS currents while reducing price and increasing reliability compared to traditional film foil capacitors.

Our new terminal style (W) meets the terminal spacing found in the latest IGBT products on the market. Custom voltages, capacitance values, and terminal designs are available.



General Specifications

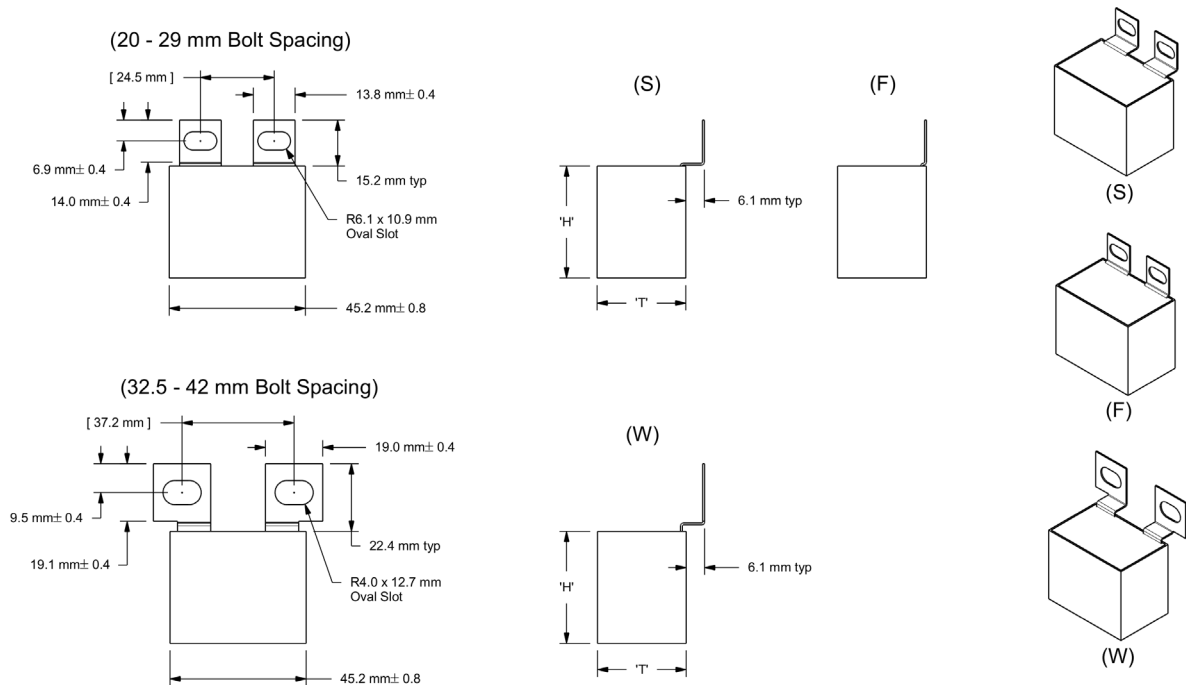
* Capacitance ratings are dependent upon voltage level, frequency and total current.

Parameter	Value
Capacitance	0.1 μ F – 10.0 μ F*
Tolerance	\pm 5%, \pm 10% - special tolerance on request
Rated Voltage	600 – 2000 VDC, 250 – 500 Vrms
Temperature Range (operational)	-40/85C (custom ratings available)
Temperature Range (storage)	-40/95C
RMS Current	Up to 25 Arms
Standards	IEC61071
Case	Flame retardant molded plastic case and UL94-V0 epoxy
Terminals	Tin plated brass tabs (slotted for 20-29 or 33-42 mm bolt spacing)
Tan δ	2×10^{-4} Polypropylene
Terminal to Terminal Test	1.5 x Undc 10 seconds
Terminal to Case Test	$U_{T-CASE} = 2 U_I + 1000v$ OR 3000v (whichever is highest value)
Reliability	100 FIT
Insulation Resistance	10,000 M Ω - μ F at 100V after 2 minutes

Applications

DMS Capacitors are specifically designed for IGBT Snubbers for inverters.

Dimensions [mm]:



Ordering Information

Type	Terminal Style	Capacitance	Tolerance	Voltage
DMS	(S) = 20-29 mm Step	0.1	5 = ±5%	600
DMS	(F) = 20-29 mm Flush	↑	10 = ±10%	↑
	(W) = 33-42 mm Wide	10		2000

Examples	Order Code
Type DMS, Step Terminal, 0.68uF ±5%, 600 VDC	DMS(S) 0.68-5-600
Type DMS, Wide Terminal, 10uF ±10%, 2000 VDC	DMS(W) 10-10-2000

American Shizuki Capacitors specializes in creating made-to-order solutions for your unique application. Please don't hesitate to ask us about customized components.



sales@ascapacitor.com
www.ascapacitor.com
phone: 308-284-3611
fax: 308-284-8324