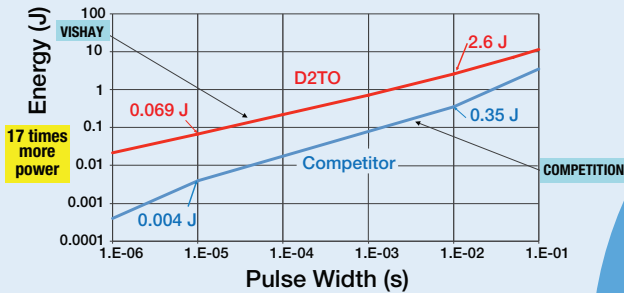




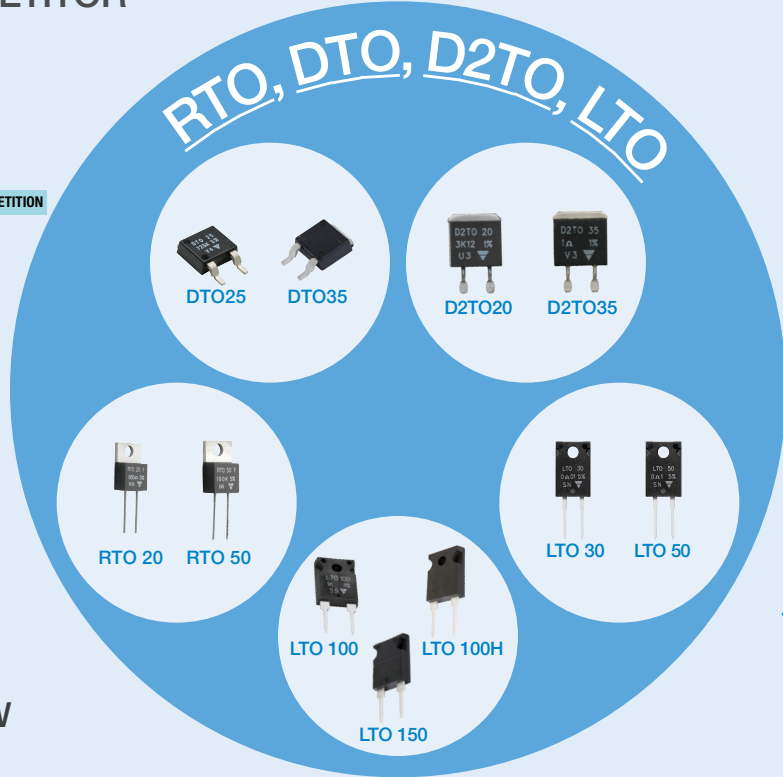
THICK FILM MEDIUM POWER RESISTORS

TO-247, TO-220, DPAK, and D²PAK

ENERGY CURVE: D2TO VS. COMPETITOR

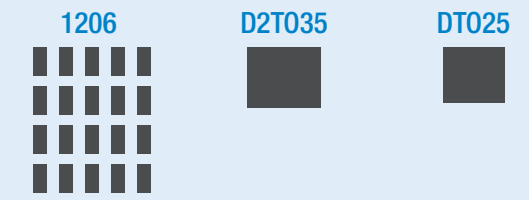


17 times more power



SPACE-SAVING

Fewer components on PCB
Can replace **5 to 20** chip resistors



PROVEN QUALITY



With PPAP available



Driving the main EV / HEV manufacturers

AEC-Q200 RESISTORS

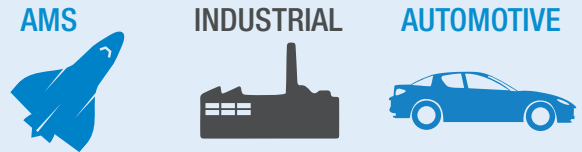
- LTO 100 / LTO 100H / LTO 150
- D2TO20 / D2TO35
- DTO25 / DTO35

NON-INDUCTIVE



Widest Ω range

APPLICATIONS



ADVANTAGES

- High energy ratings for harsh pulses up to 60 J / 0.1 s
AND
- High power for long precharge / discharge up to 150 W at 45 °C
AND
- High dielectric strength for protection up to 3000 V_{RMS}

sferfixedresistors@vishay.com



THICK FILM MEDIUM POWER RESISTORS

TO-247, TO-220, DPAK, and D²PAK

Models	LTO	DTO	D2TO	RTO
Resistance Range	0.010 Ω to 1 M Ω	0.016 Ω to 700 K Ω	0.010 Ω to 500 K Ω	0.010 Ω to 1 M Ω
Power Rating Mounted	30 W, 50 W, 100 W & 150 W	25 W & 35 W	20 W & 35 W	20 W & 50 W
Thermal Resistance	4.2 $^{\circ}\text{C}/\text{W}$ to 1.5 $^{\circ}\text{C}/\text{W}$	DTO25: 5 $^{\circ}\text{C}/\text{W}$ DTO35: 4.28 $^{\circ}\text{C}/\text{W}$	D2TO20: 6.5 $^{\circ}\text{C}/\text{W}$ D2TO35: 4.28 $^{\circ}\text{C}/\text{W}$	RTO 20: 6.5 $^{\circ}\text{C}/\text{W}$ RTO 50: 2.6 $^{\circ}\text{C}/\text{W}$
Dielectric Strength	3000 V _{RMS}	1500 V _{RMS}	2000 V _{RMS}	2000 V _{RMS}
Energy at 0.1 s	20 J to 55 J	9 J	12 J	12 J
Package	TO220 / TO247	DPAK	D2PAK	TO220
AEC-Q200 Types	LTO 100, LTO 100H & LTO 150	DTO25 & DTO35	D2TO20 & D2TO35	Not Applicable
Datasheet	