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Fast Facts



Product Group: Vishay Sfernice, Thick Film Resistors / October 2026

New Thick Film Resistor Sample Kits Simplify Device Selection and Validation, Accelerate Time to Market

Vishay Sfernice has introduced four thick film resistor sample kits designed to simplify component selection and validation for automotive, AMS, industrial, and other high power designs, while reducing time to market. Providing complete, evaluation-ready solutions, the D2TO20, D2TO35, DTO35, and DTO35 / D2TO35 sample kits each include surface-mount, Automotive Grade devices in compact TO-252 (DPAK) and TO-263 (D2PAK) packages, with high power ratings, a wide range of resistance values, and an optional PCB test board to enable fast, reliable electrical and thermal evaluation.



Key Specifications

Resistor Series	Sample Kit Name	Ordering Number	Resistance	Power at 25 °C	Package
D2TO20	D2TO 20 SAMPLE KIT	ACCLFFD2TO20SPLKIT	1 Ω to 47 k Ω	20 W	TO-263 (D ² PAK)
D2TO35	D2TO 35 SAMPLE KIT	ACCLFFD2TO35SPLKIT		35 W	TO-263 (D ² PAK)
DTO35	DTO SAMPLE KIT	ACCLFFDTOSPLKIT		35 W	TO-252 (DPAK)
DTO35 and D2TO35	DTO D2TO Sample Kit	ACCLFFDTOD2TOSPLKIT		35 W	TO-252 (DPAK); TO-263 (D ² PAK)

Key Advantages

- AEC-Q200 qualified, eliminating the need for additional component qualification during development
- Power ratings of 20 W and 35 W in compact packages enable high power density, allowing designers to reduce the number of parallel resistors or larger through-hole devices required, saving board space



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- Covering a wide resistance range from 1 Ω to 47 k Ω with selected E-series values, the kits reduce sampling efforts and minimize the need for additional sample orders compared to typical single-value or single-package kits
- Supplied on cardboard tape strips, with each strip holding four resistors, the devices are sorted in ascending order of resistance value and clearly labeled for easy identification
- Kit organization, combined with optional PCB test boards, reduces lab setup time and accelerates design-in
- The resistors feature a non-inductive construction and electrical isolation between the resistor element and the metal tab, ensuring stable high frequency performance and enhanced safety
- Compatibility with standard surface-mount assembly processes, including proven reflow resistance up to 270 °C for 10 s, improves assembly margin and manufacturing yield

Useful Links

[D2TO 20 SAMPLE KIT product page](#)

[D2TO 35 SAMPLE KIT product page](#)

[DTO SAMPLE KIT product page](#)

[DTO D2TO Sample Kit product page](#)

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