



## SM 1553 SERIES

### DATA BUS



### MIL-PRF-27

### ELECTRICAL SPECIFICATIONS

- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Insulation Resistance:** 10K MOhms minimum
- **Dielectric Withstanding Voltage:** 1500<sub>VAC</sub> ≤ 1 Minute
- **Resistance to Soldering Heat:** 265°C for 10 secs
- **Different electrical values available upon request**

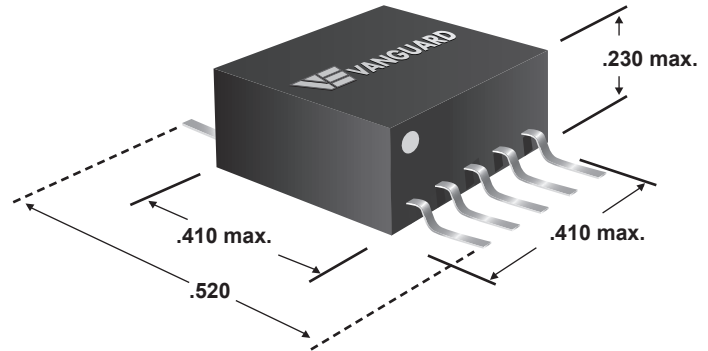
### FEATURES

- **Compact**, low profile, ideal for automatic placement
- Built to meet **MIL-STD-1553** specifications
- **Low thermal expansion, Transfer Molded Package**
- **Terminations:** Tin-lead coated
- **Welded Internal Connections**
- **Moisture, Shock and Immersion Resistant**
- **Other termination finishes available**

Turns Ratio	Drop max (%)	CMR Typ. (dB)
1:1 to 3.2:1	20	50

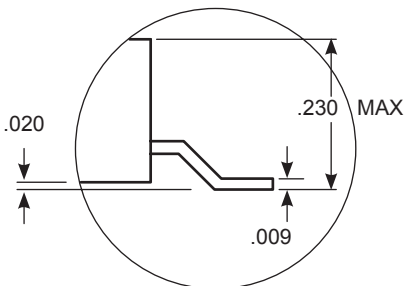
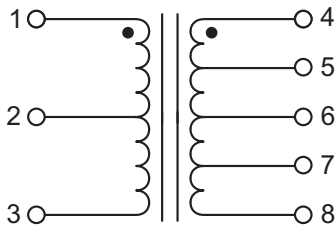
MARKINGS: LASER OR INK

THRU-HOLE PACKAGES ALSO AVAILABLE

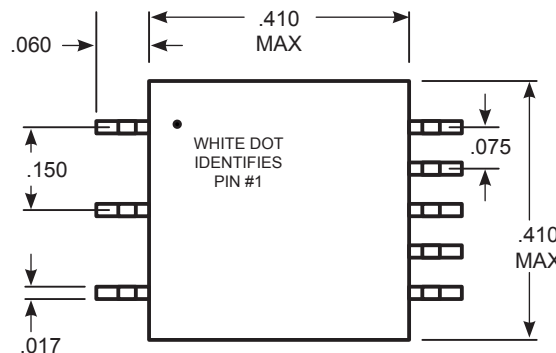


Vanguard P/N	Primary	Secondary	Turns Ratio	Drop max (%)	CMR Typ. (dB)
SM1553-027	1-3	4-8	1 : 1	20	50
	1-3	5-7	1 : 0.707		
SM1553-028	1-3	4-8	1.4 : 1	20	50
	1-3	5-7	2 : 1		
SM1553-029	1-3	4-8	1.25 : 1	20	50
	1-3	5-7	1.66 : 1		
SM1553-030	1-3	4-8	2.3 : 1	20	50
	1-3	5-7	3.2 : 1		

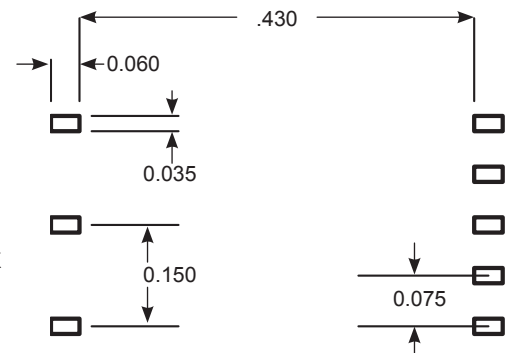
SCHEMATIC



SIDE



BOTTOM



RECOMENDED PAD LAYOUT

### CUSTOM DESIGNS & MODIFICATIONS:

Other electrical configurations and performance characteristics are available in various sizes and package types

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