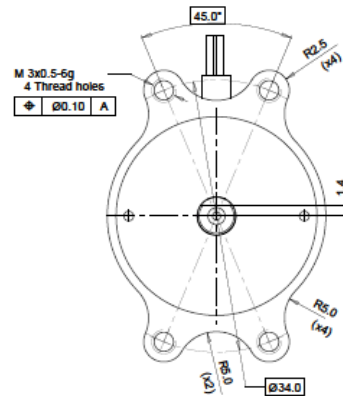
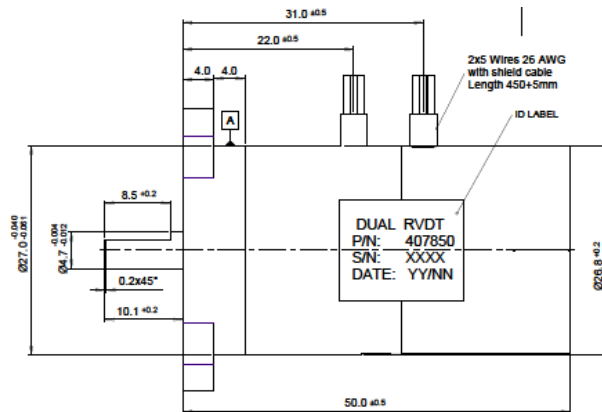
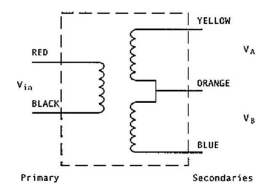


Dual Rotary Variable Differential Transformer

Dual RVDT-213, for most applications where angle is measured, has output linearly proportional to angular position of shaft. Its rugged construction not only provides high performance and reliability, but also enhanced resistance to shocks / vibrations typical of industrial / defense environments. Mechanically able to rotate continually, Dual RVDT-213 offers linear measurement up to $\pm 13^\circ$, with linearity better than $\pm 0.5\%$ of Full Scale. Magnetically shielded, it offers essentially infinite resolution, limited only by signal condition. Requires AC voltage excitation to primary coil, produces AC voltage from secondary coil, proportional to shaft position. All materials and test methods are according to MIL-STD.



Wiring Diagram (for each channel)



Specification (for each channel)

Parameter	Unit	Value	Tolerance
Frequency	Hz	3200	± 30
Excitation voltage	V (RMS)	7	$\pm 1\%$
Null voltage	mV	35	Max
Scale factor	mV/deg.	140	$\pm 2\%$
Accuracy	arc. min	± 15	max
Linearity	% FS	0.5	-
Operating range	deg.	± 13	-
Dielectric withstand (during 0.5 minutes)	μA at 250V AC	50	-
Insulation resistance	$\text{M}\Omega$ at 250V DC	100	-
Output shift between Channel 1 and Channel 2 (@ range $\pm 13^\circ$)	deg.	± 0.5	max
Protection level		IP-65	

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