



This new high precision Hall Effect Current Transducer allows us to considerably upgrade the performance of our traditional range, bringing the performance of our low cost open loop sensors very close to the performance of closed loop sensors without compromising size.

Our Products - RAZCP

Our super compact precision model.



Maximum Ratings ($T_A = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Operating Temperature	T_A	-40 to +150	$^\circ\text{C}$
Storage Temperature	T_{stg}	-65 to +170	$^\circ\text{C}$
Supply Voltage	V_s	8	V
Measured Current	I_m	No Flux Limit	A

Characteristics ($T_A = 25^\circ\text{C}$)

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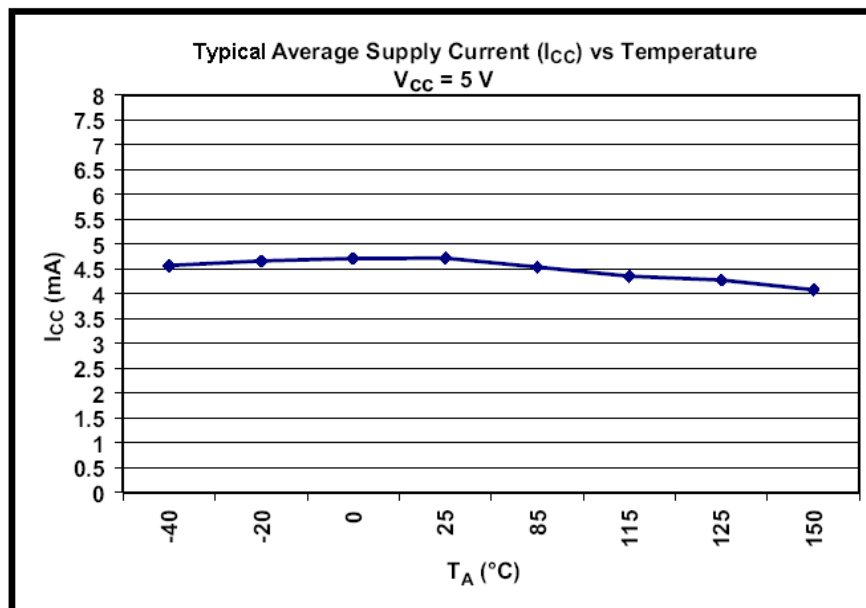
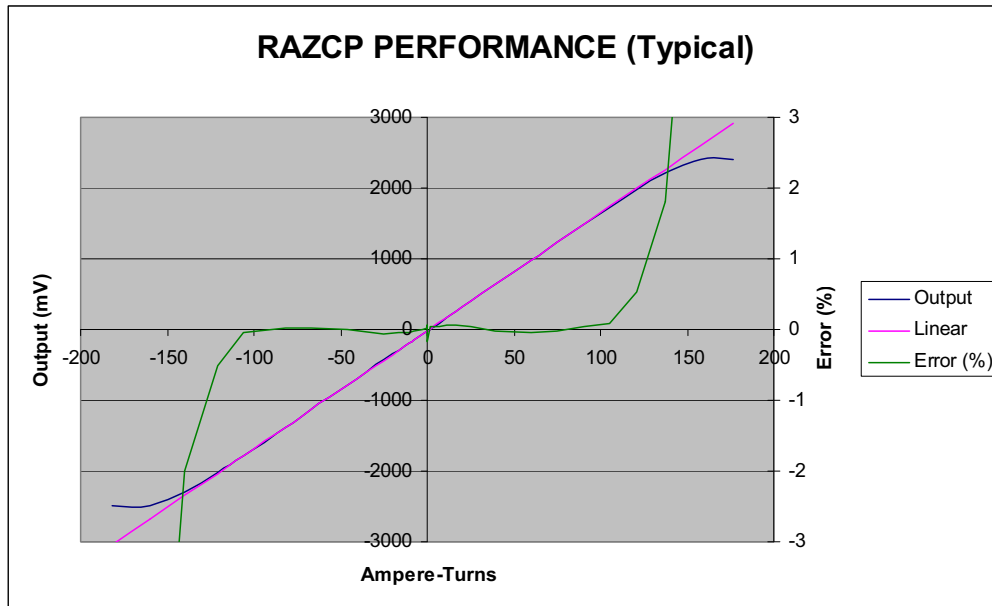
ISO 9001

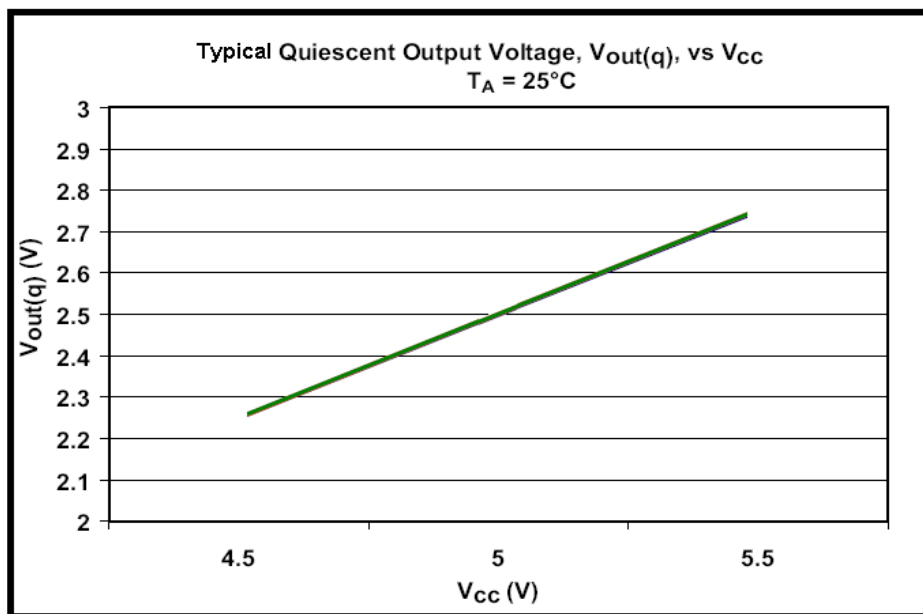
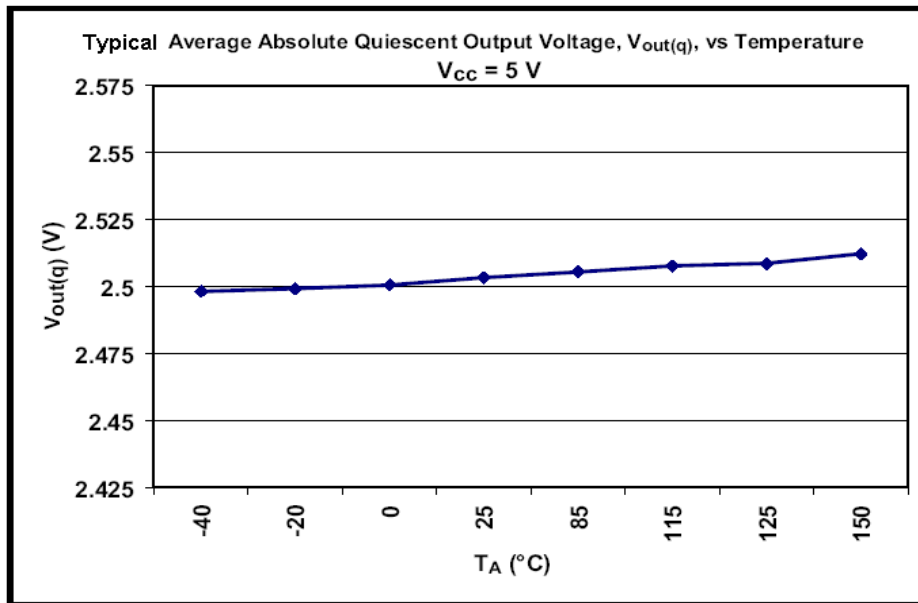
Parameter	Symbol	Lower Limit	Typical	Upper Limit	Unit
Supply Current	I _s		5.6	8	mA
Supply Voltage	V _s	4.5	5.0	5.5	V
Null Output (V _s = 5V)	V _o	2.425	2.5	2.575	V
Transfer Function (per turn)	$\Delta V/I$	14.7	16.7**	18.7	mV/A
Linearity (± 80 AT)			0.1	0.2	%
Hysteresis (0 to 50AT)	Hys		0.05	0.2	%
Null drift due to temperature change	TC _{$\Delta V_o/V_o$}		+/-0.07	+/-0.13	mV/K
Gain Change due to temperature change	TC _G		+0.05 *		%/K
Risetime 0 to 20AT	Tr		15		μ s
Frequency Response (-3dB)			30		kHz
Output Resistance			1.5	3	Ω

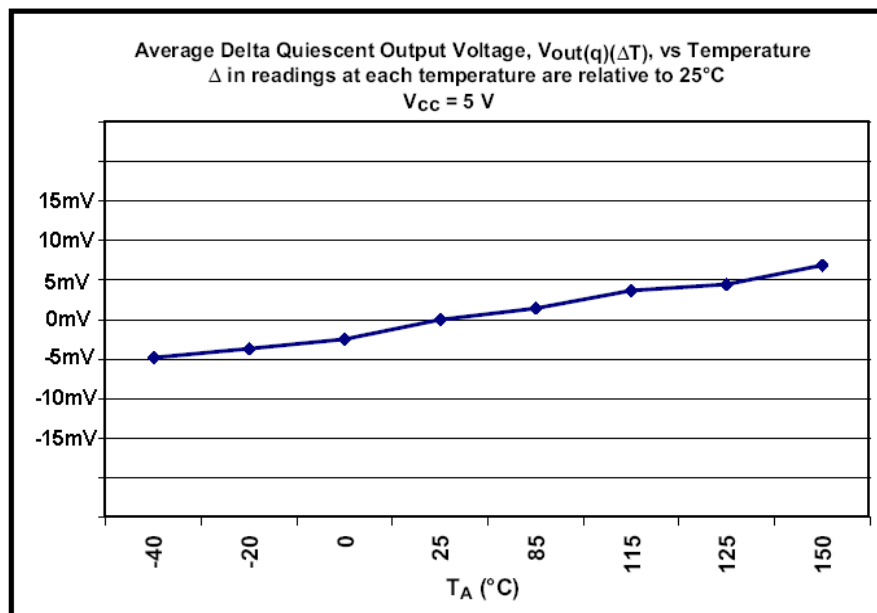
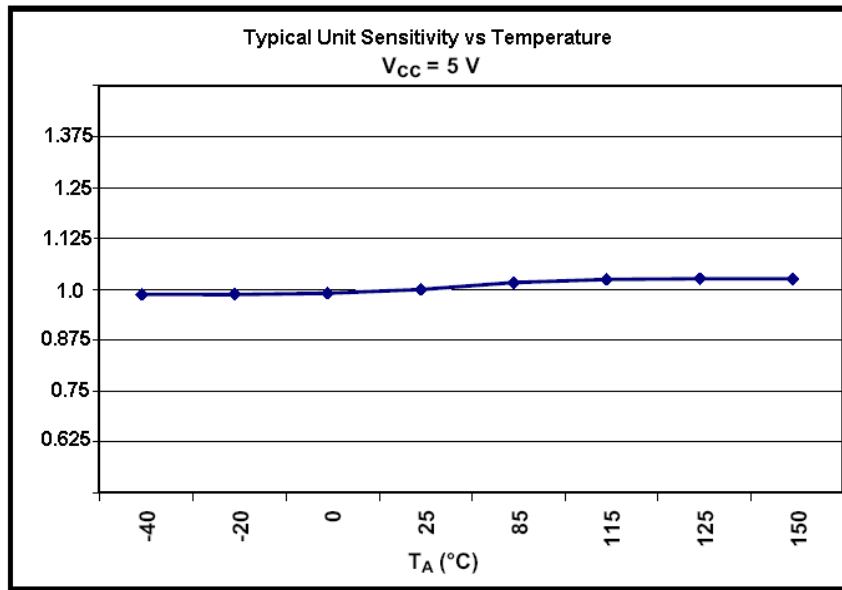
* Tighter specification units available on request

** Alternative gain/current rating available on request

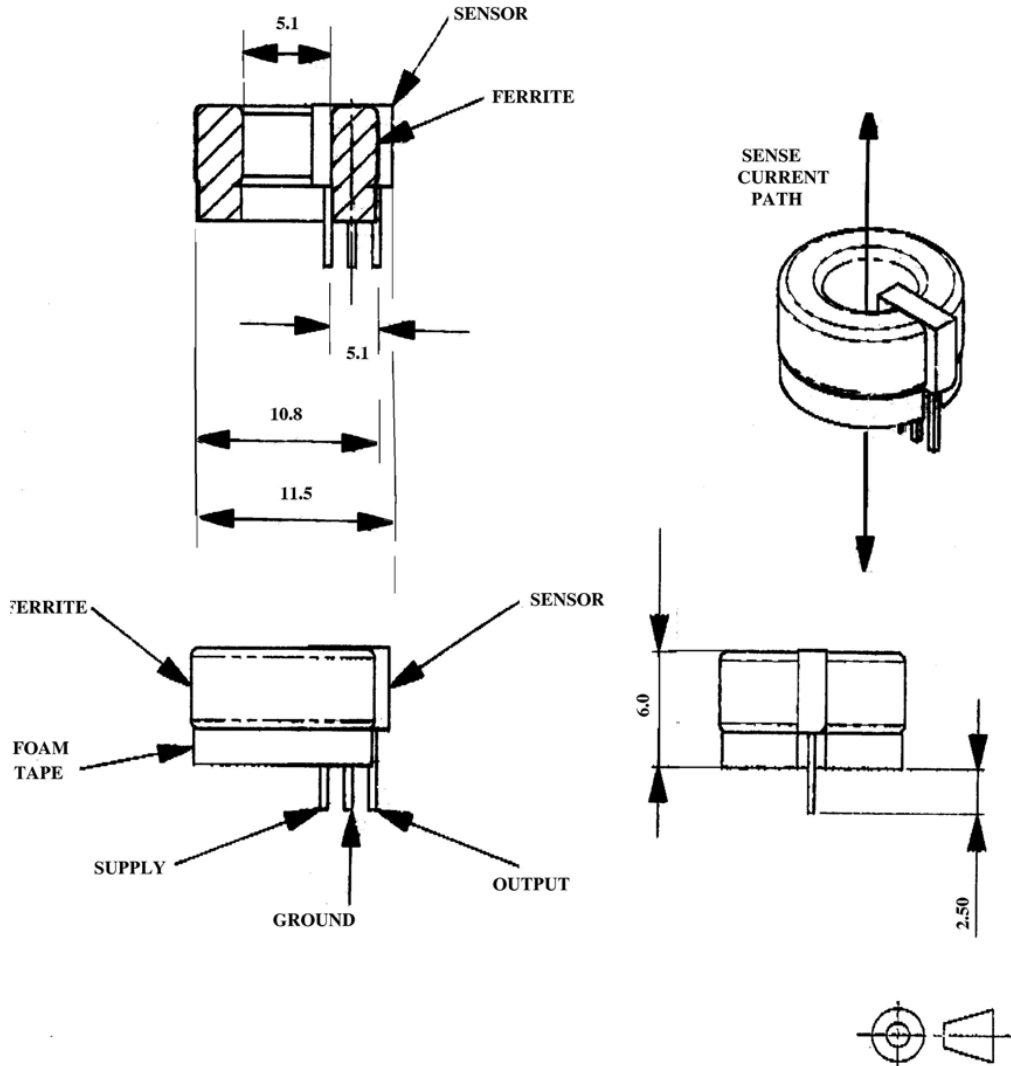
Performance Characteristics







Raztec (NZ) Ltd operate a continuous product improvement program, therefore information contained in our datasheets may not reflect all current features.
 For clarification please contact sales@raztec.co.nz



We are here for you. Addresses and Contacts.

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