

磁気平衡式 / 電流出力型
Servo system Current-output type

S20S M1 SERIES



仕様 SPECIFICATIONS

Ta=+25°C, Vcc= ±15V

カタログ品番 Types		S20S200D15M1			
項目 Spec		200AT		300AT	
定格電流 Primary nominal current	If	200AT		300AT	
測定抵抗 Measuring resistance	RL	Vcc±12V	5Ω~35Ω	Vcc±12V	9Ω~13Ω
		Vcc±15V	25Ω~65Ω	Vcc±15V	29Ω~33Ω
定格出力電流 Rated output current	Io	100mA		150mA	
巻数比 Conversion Ratio	KN	1:2000			
出力電流精度 Output current accuracy	XG	Io±1% (without Iof)			
オフセット電流 Offset current	Iof	±0.5mA (at If=0A)			
最大電流@Vcc±15VDC&Ta=70°C Maximum current @Vcc±15VDC&Ta=70°C	Ifmax	±300AT (at RL=30Ω)			
出力直線性 Output linearity	εL	≤ ±0.25% (at If)			
電源電圧 Power supply voltage	Vcc	±15V±5%			
消費電流 Consumption current	Icc	≤ ±16mA (without Io)			
di/dt 応答速度 Response time	tr	≤ 1μs (di / dt = If/μs)			
周波数特性@-1dB Frequency characteristics @-1dB	f	DC~150kHz			
出力電流温度係数 Thermal drift of gain	Tclo	±0.02%/°C (Without Tc Iof) (-5°C~+70°C)			
オフセット電流温度係数 Thermal drift of offset	Tclof	±0.012mA/°C (-5°C~+70°C)			
ヒステリシス誤差 Hysteresis error	Ioh	≤ 0.3mA (at If = 0A → If → 0A)			
絶縁耐圧 Insulation voltage	Vd	AC2500V、1分間(感応電流 0.5mA)、貫通部内側⇔端子一括間 AC2500V for 1 minute (Sensing current 0.5mA) inside of through hole ⇔ terminal			
絶縁抵抗 Insulation resistance	Ris	≥500MΩ (at DC500V) 貫通部内側⇔端子一括間 inside of through hole ⇔ terminal			
動作温度範囲 Ambient Operating temperature	TA	-20°C~+70°C			
保存温度範囲 Ambient storage temperature	TS	-20°C~+85°C			
2次側コイル抵抗値 Secondary coil resistance	RS	33Ω @ Ta=70°C			

外形図 DIMENSIONS (mm)

