






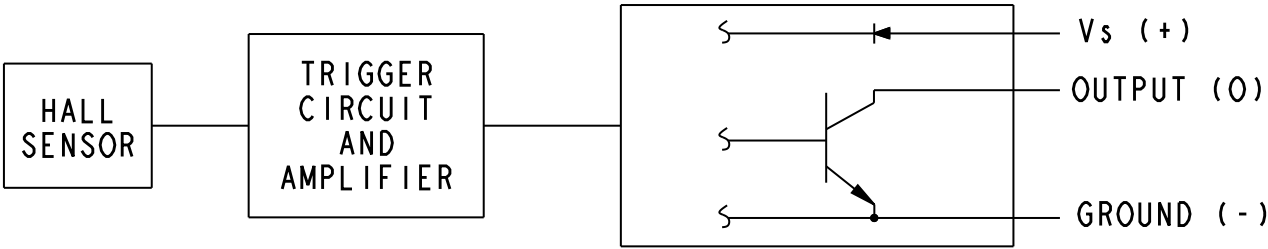


CHARACTERISTICS ARE AT $V_s = 3.0$ TO 24 VOLTS WITH 20mA LOAD WITH $\triangle 4 \triangle 13$
 $T_A = -40^\circ\text{C}$ TO $+150^\circ\text{C}$ UNLESS OTHERWISE NOTED

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SUPPLY VOLTAGE	-40°C TO 150°C	3.0		24.0	VOLTS
SUPPLY CURRENT	VSUPPLY=5V AT 25°C		4.0	6.0	mA
	VSUPPLY=3V AT 25°C		3.5	5.0	
				8.0	
OUTPUT CURRENT				20.0	mA
Vsat 				0.4	VOLTS
OUTPUT LEAKAGE				10.0	μA
RISE TIME 	25°C			1.5	μS
FALL TIME 	25°C			1.5	μS
THERMAL RESISTANCE θ_{JA}			233		°C/W
OPERATE 					
SS441R		35	75	135	GAUSS
SS443R		45	135	205	GAUSS
SS449R		240	305	460	GAUSS
RELEASE 					
SS441R		10	35	120	GAUSS
SS443R		40	85	180	GAUSS
SS449R		135	225	370	GAUSS
DIFFERENTIAL					
SS441R		5	40	80	GAUSS
SS443R		5	50	120	GAUSS
SS449R		30	80	170	GAUSS
OPERATING TEMP		-40		+150	°C
STORAGE TEMP		-40		+150	°C

BLOCK DIAGRAM CURRENT SINKING OUTPUT



ABSOLUTE MAXIMUM RATING $\triangle 10$

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SUPPLY VOLTAGE		-28.0		28.0	VOLTS
APPLIED OUTPUT VOLTAGE		-0.5		28.0	VOLTS
OUTPUT CURRENT				20.0	mA
MAGNETIC FLUX				NO LIMIT	GAUSS

CATALOG LISTING	MAGNETIC TYPE	CATALOG LISTING ID
SS441R	UNIPOLAR	41R
SS443R	UNIPOLAR	43R
SS449R	UNIPOLAR	49R

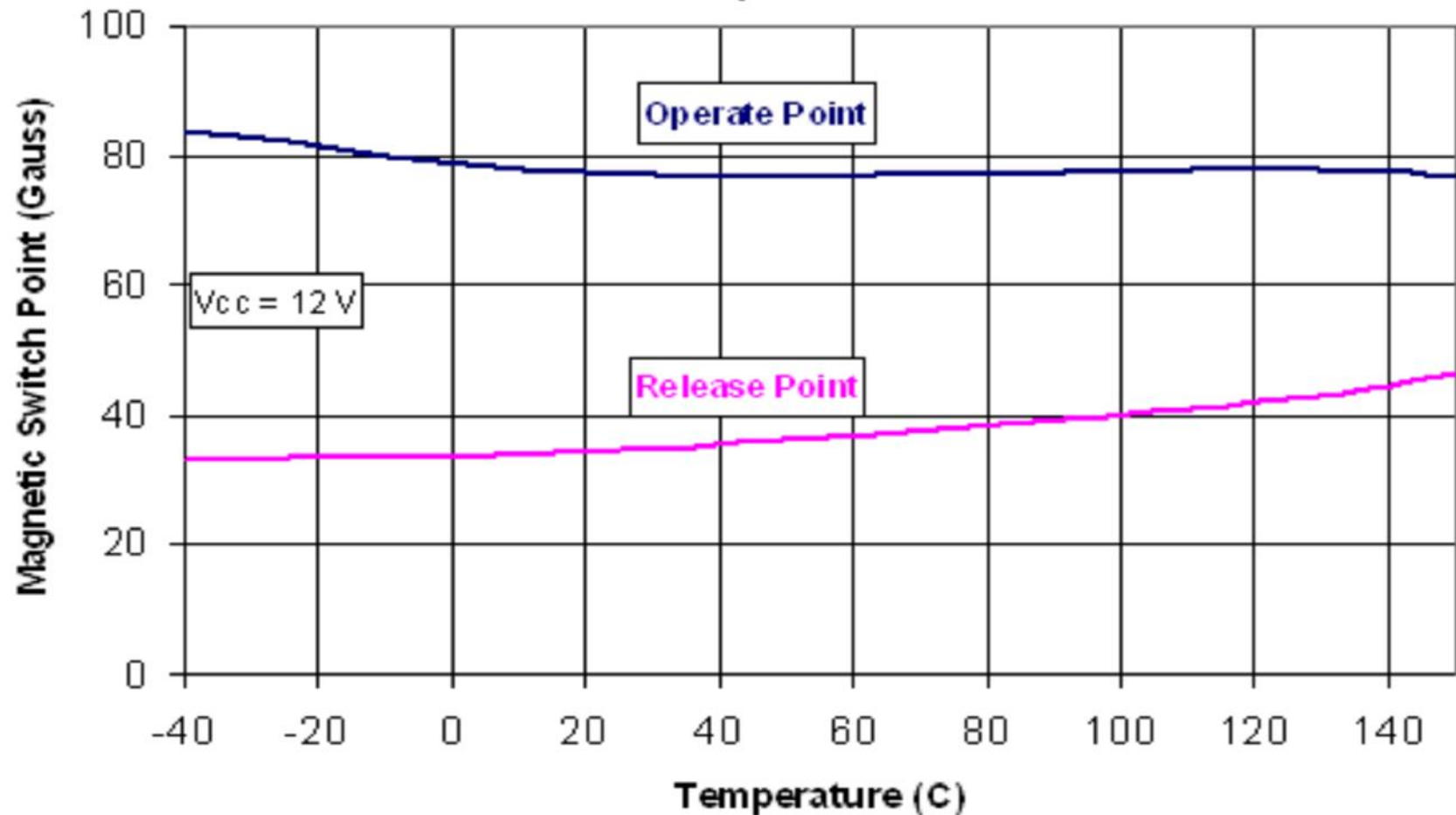


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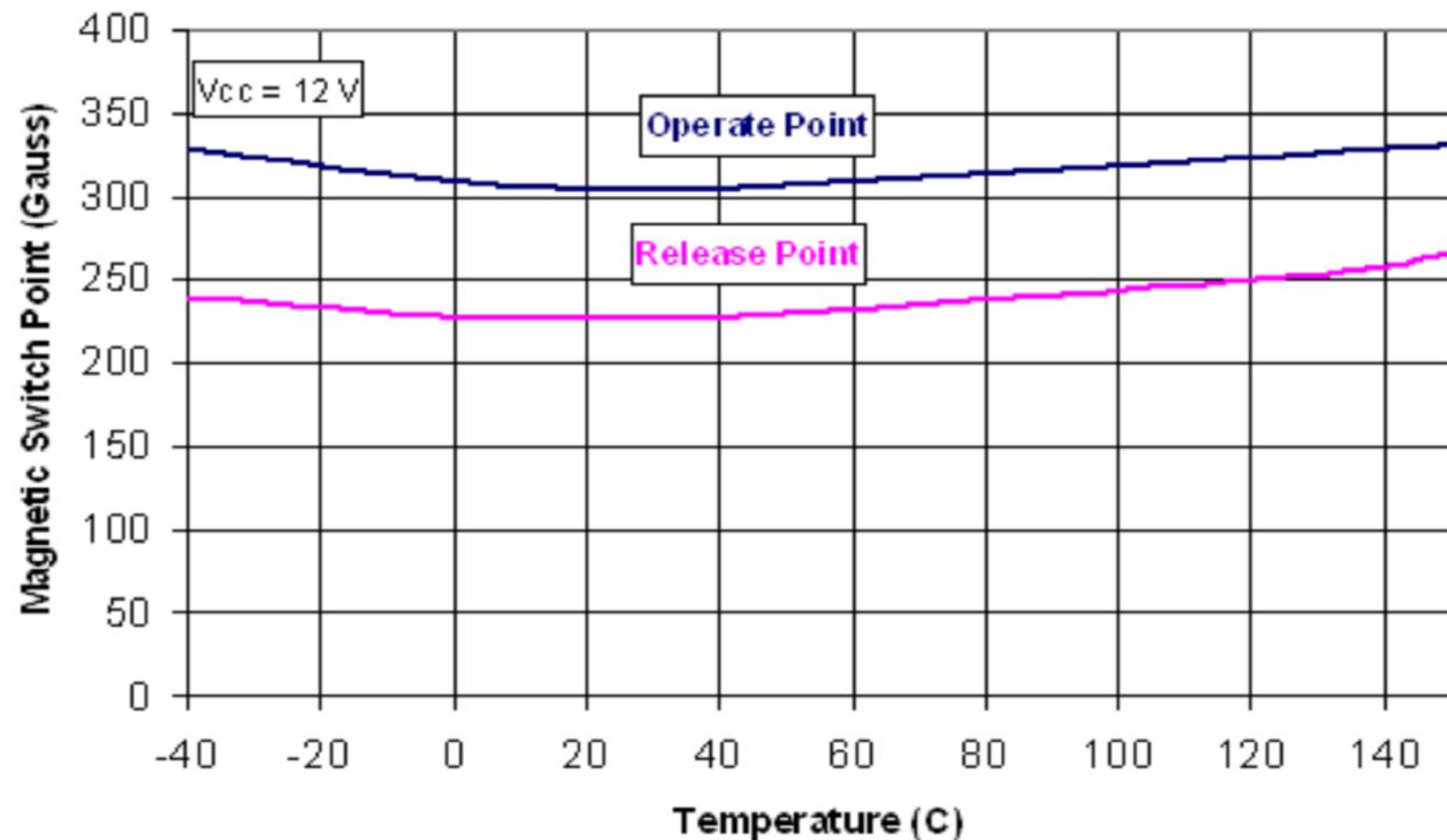
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SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
C	I	-	SS440R SERIES CHART 1	A
SCALE NONE		SHEET 2 OF 3		

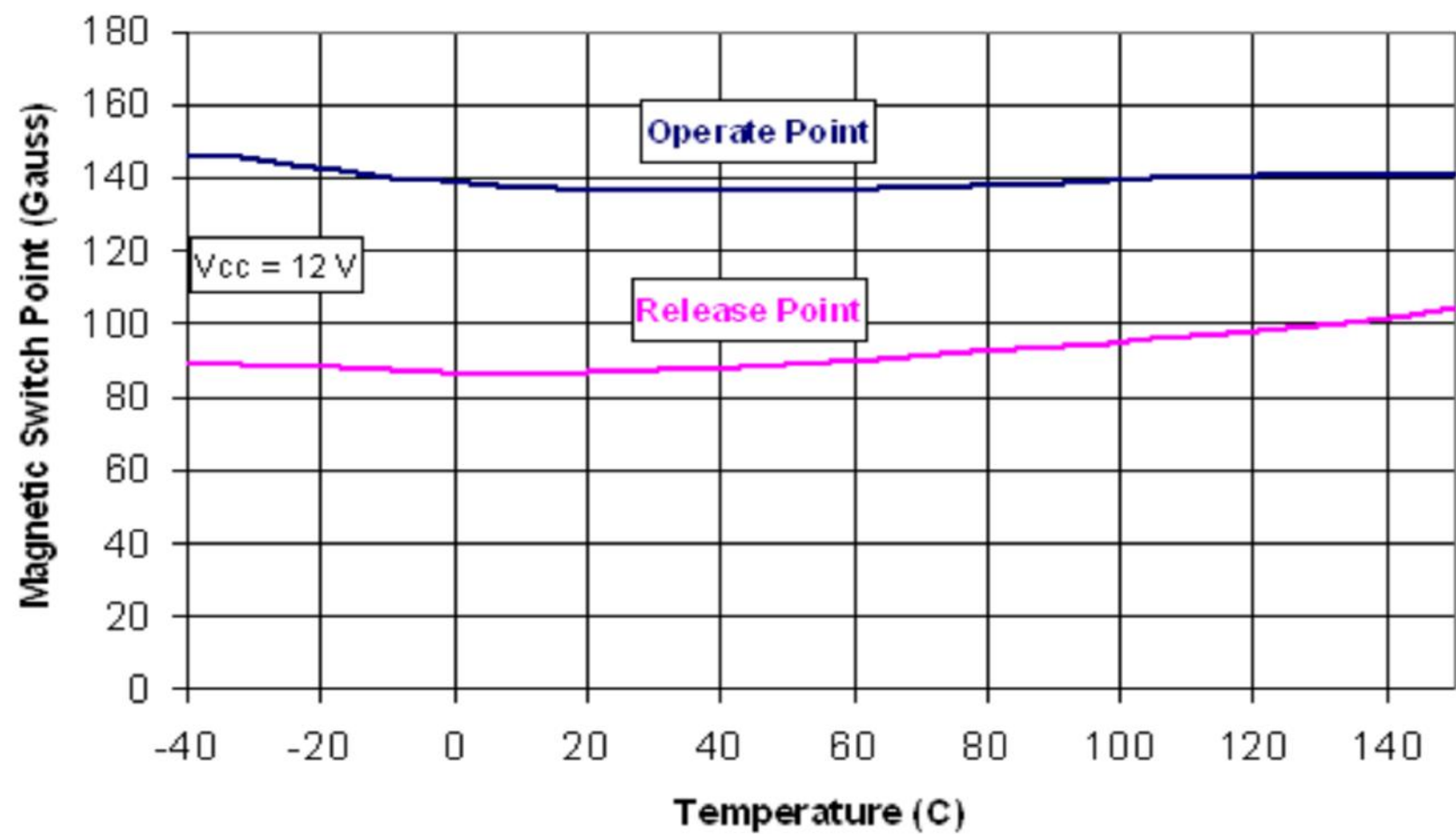
Typical SS441R Magnetic Performance vs Temperature



Typical SS449R Magnetic Performance vs Temperature



Typical SS443R Magnetic Performance vs Temperature



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SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
C	I	-	SS440R SERIES CHART 1	A
SCALE NONE		SHEET 3 OF 3		